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(54) Title: LOW-PRESSURE MERCURY VAPOR DISCHARGE LAMP

(57) Abstract: Low-pressure mercury vapor discharge lamp provided with a discharge vessel (10) which encloses enclosing a discharge space (11) provided with a filling of mercury and a rare gas in a gastight manner. The inner wall of the discharge vessel (10) is provided with a transparent layer (16) and a luminescent layer (17). According to the invention, the luminescent layer (17) is provided with a further transparent layer (18). Preferably, both transparent layers (16, 18) comprise an oxide of scandium, yttrium, or a further rare-earth metal, and/or a borate or phosphate of an alkaline-earth metal, and/or of scandium, yttrium, or a further rare-earth metal. Preferably, the alkaline-earth metal is calcium, strontium, and/or barium. The further rare-earth metal is preferably lanthanum, cerium, and/or gadolinium. The oxide is preferably Y₂O₃ or Gd₂O₃. The lamp according to the invention has a comparatively low mercury consumption.



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